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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/716,421

11/20/2003

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EXAMINER

SHIBRU, HELEN

ART UNIT

PAPER NUMBER

2621

MAIL DATE

DELIVERY MODE

06/19/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

10/716,421

Applicant(s)

JEON, HYOUNG-WOO

Examiner

HELEN SHIBRU

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) \_\_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>05/26/2005</u> | 6) <input type="checkbox"/> Other: _____  |

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***Claim Objections***

1. Claims 12-18 are objected to because of the following informalities: "The method of claim 10" should be replaced by "The DVD player" since claim 10 recites "A DVD player...." Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

- TTG  
6/10/07
2. Claims 1-4, 6-7, 9-13, <sup>15-16, and 18-27</sup> ~~and 15-27~~ are rejected under 35 U.S.C. 102(e) as being anticipated by Shirata (US PG PUB 20010043784).

Regarding claim 1, Shirata discloses a method of adjusting a display of a display device, which is connected to a DVD player, according to image signals provided by the DVD player, comprising: accessing one of one or more video patterns stored in a memory of the DVD player (see figs. 1-3); displaying the accessed video pattern on the display (see paragraphs 0038 and fig. 3); and adjusting the display while checking the displayed video pattern which provides the user with information regarding the adjustment (see paragraphs 0042-0049 and figures 3 and 4).

Regarding claim 2, Shirata discloses the memory of the DVD player comprises a flash memory (see paragraph 0028).

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Regarding claim 3, Shirata discloses the video pattern is a set of color bars which are test image signals usable to adjust a luminance and a color delay of the display (see paragraphs 0037, 0047 and 0088, and claim 8).

Regarding claim 4, Shirata discloses the video pattern is a test pattern which is a still screen usable to evaluate overall screen quality, so that the user can adjust at least one of a position and a sharpness of the display (see paragraphs 0005 and 0027-0029).

Claims 6-7 are rejected for the same reason as discussed in claim 3-4 respectively.

Regarding claim 9, Shirata discloses the display is one of a TV screen of a TV and a screen of a monitor (see paragraph 0038).

Regarding claim 10, Shirata discloses a DVD player connectable to an image display device, comprising: a memory which stores at least one video pattern (see figs. 1 and 2, components 27 and 28, paragraphs 0029, 0064 and claim 3); a control unit which controls selection of a video pattern stored in the memory (see figs. 1 and 2 component 24, paragraph 0028, 0044-0047); and an output unit which outputs a selected video pattern to the image display device (see figs 1 and 2 component 26 and paragraph 0038), wherein the selected video pattern is displayed on a display of the image display device and provides the user with information with which the user can adjust the display while checking a displayed video pattern (see paragraphs 0042-0049 and figs. 3 and 4).

Claims 11-13 are rejected for the same reason as discussed in claim 2-4 respectively.

Claims 15-16 are rejected for the same reason as discussed in claim 3-4 respectively.

Claim 18 is rejected for the same reason as discussed in claim 9 above.

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Regarding claim 19, the limitation of claim 19 can be found in claim 1. therefore claim 19 is analyzed and rejected for the same reason as discussed in claim 1 above.

Regarding claim 20, Shirata discloses the selecting comprises accessing a menu of the DVD player which allows a user to select one of the one or more video test patterns (see figs. 3 and 4).

Claim 21 is rejected for the same reason as discussed in claim 2 above.

Regarding claim 22, Shirata discloses the selecting comprises accessing a menu of the DVD player which allows a user to select one of the one or more video test patterns (see paragraphs 0037, 0047, 0088 and claim 8).

Regarding claim 23, Shirata discloses a method of providing information usable to adjust a display property of an adjustable display, comprising: storing one or more video test patterns in a memory of a DVD player (see paragraphs 0029 and 0064); providing an inputter which allows a user to input a video test pattern selection (see figs 1 and 2 component 25 and paragraph 0027); providing an outputter which outputs a selected video test pattern to an adjustable display (see abstract and paragraph 0038), wherein an adjustment to a display property of the adjustable display is observable by an effect thereof on a presentation of the selected video test pattern by the adjustable display (see paragraphs 0042-0049 and figs. 3 and 4).

Claim 24 is rejected for the same reason as discussed in claim 10 above.

Regarding claim 25, Shirata discloses a method of adjusting a display property of a display, comprising: displaying a pattern provided by a DVD player (see paragraph 0038 and fig. 3); and adjusting one of a luminance, color delay, position, sharpness, contrast, and brightness in

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accordance with an effect of the adjusting on the display of the pattern (see paragraphs 0027-0029 and paragraphs 0042-0049).

Claims 26-27 are rejected for the same reason as discussed in claim 3-4 respectively.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 5, 8, 14, 17, and 28 rejected under 35 U.S.C. 103(a) as being unpatentable over Shirata in view of Official Notice.

Regarding claim 5, although Shirata fails to disclose the video pattern is 10 levels of luminance which is expressed by dividing luminance of the display by 10, Shirata discloses Picture quality adjustment is performed for brightness data and color difference data (see paragraphs 0047, 0065 and claim 8). Therefore Official Notice is taken that it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Shirata by dividing the luminance of the display by 10 in order to perform edit function.

Claims 8, 14, 17, and 28 are rejected for the same reason as discussed in claim 5 above.

### ***Conclusion***

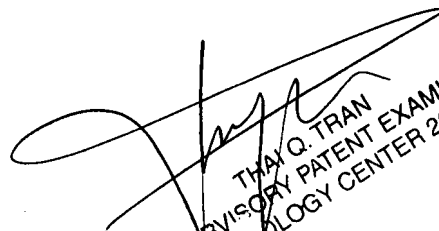
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HELEN SHIBRU whose telephone number is (571) 272-7329. The examiner can normally be reached on M-F, 8:30AM-5PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, THAI Q. TRAN can be reached on (571) 272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Helen Shibru  
June 8, 2007



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